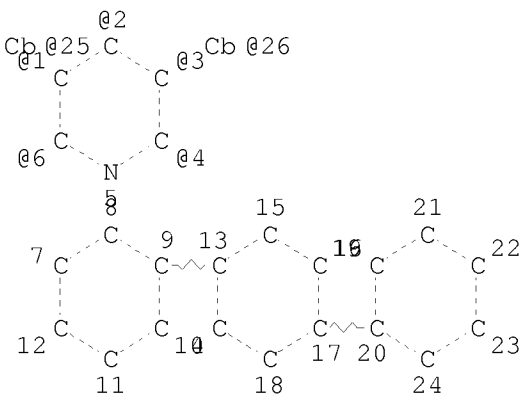
=> d l3
L3 HAS NO ANSWERS
L3 STR



VPA 25-2/1/6 U
VPA 26-3/4 U
NODE ATTRIBUTES:
DEFAULT MLEVEL IS ATOM
DEFAULT ECLEVEL IS LIMITED

GRAPH ATTRIBUTES:
RSPEC 1
NUMBER OF NODES IS 26

STEREO ATTRIBUTES: NONE

=> d his l5

(FILE 'REGISTRY' ENTERED AT 08:25:14 ON 30 OCT 2008)
L5 29 S L3 FUL

=> d his l7

(FILE 'CAPLUS' ENTERED AT 08:31:10 ON 30 OCT 2008)

FILE 'REGISTRY' ENTERED AT 08:33:56 ON 30 OCT 2008
L7 3 S L5 AND ?NITRILE

=> d his l8

(FILE 'REGISTRY' ENTERED AT 08:33:56 ON 30 OCT 2008)
L8 26 S L5 NOT L7

=> d his l9

(FILE 'REGISTRY' ENTERED AT 08:33:56 ON 30 OCT 2008)

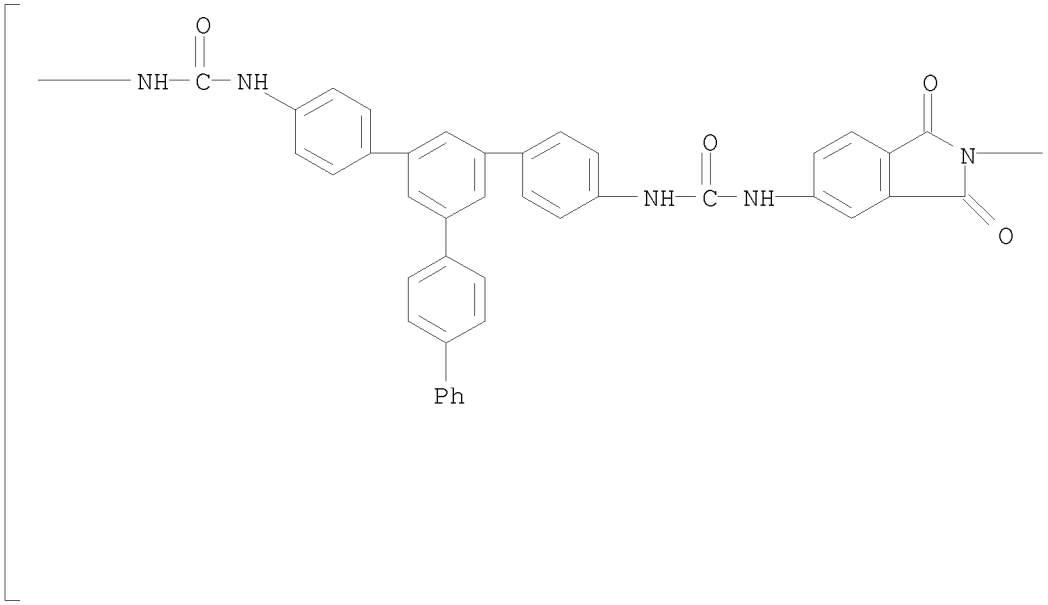
FILE 'CAPLUS' ENTERED AT 08:35:54 ON 30 OCT 2008
L9 23 S L8

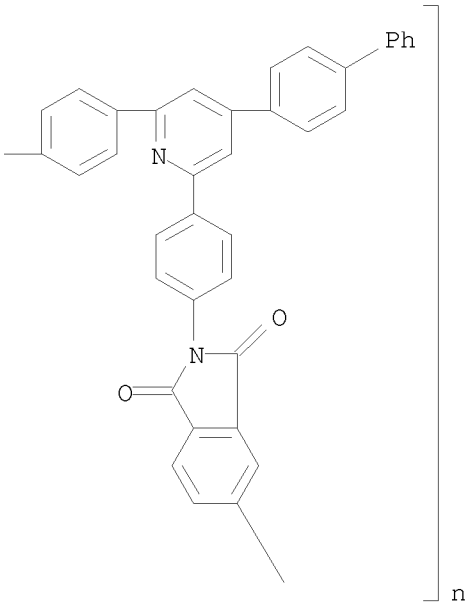
=> d bib hitstr 1-23

L9 ANSWER 1 OF 23 CAPLUS COPYRIGHT 2008 ACS on STN
AN 2008:691255 CAPLUS

DN 149:176983
TI New organosoluble and thermally stable poly(ureaimide)s prepared from one-pot polyaddition reactions
AU Behniafar, Hossein; Amrai, Mehrtaj
CS School of Chemistry, Damghan University of Basic Sciences, Damghan, Iran
SO Journal of Applied Polymer Science (2008), 109(2), 727-735
CODEN: JAPNAB; ISSN: 0021-8995
PB John Wiley & Sons, Inc.
DT Journal
LA English
IT 1039138-86-7P
RL: PRP (Properties); SPN (Synthetic preparation); PREP (Preparation)
(organosol. and thermally stable poly(ureaimide)s prepared from one-pot polyaddn. reactions)
RN 1039138-86-7 CAPLUS
CN Poly[(1,3-dihydro-1,3-dioxo-2H-isoindole-5,2-diyl)-1,4-phenylene(4-[1,1'-biphenyl]-4-yl-2,6-pyridinediyl)-1,4-phenylene(1,3-dihydro-1,3-dioxo-2H-isoindole-2,5-diyl)iminocarbonylimino(5'-[1,1'-biphenyl]-4-yl[1,1':3':1''-terphenyl]-4,4''-diyl)iminocarbonylimino] (CA INDEX NAME)

PAGE 1-A



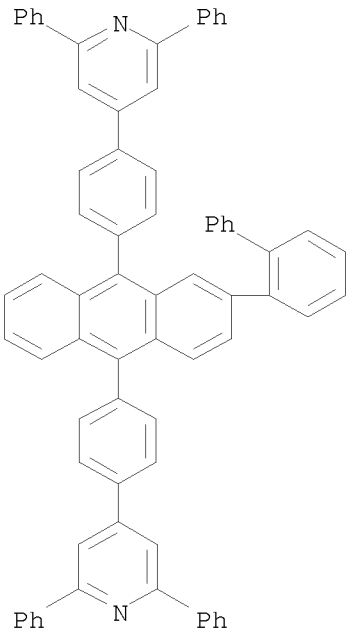


RE.CNT 36 THERE ARE 36 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L9 ANSWER 2 OF 23 CAPLUS COPYRIGHT 2008 ACS on STN
AN 2007:997656 CAPLUS
DN 147:332726
TI Organic electroluminescent devices with high luminescent efficiency and stability on repetitive uses
IN Amano, Saneomi
PA Toyo Ink Mfg. Co., Ltd., Japan
SO Jpn. Kokai Tokkyo Koho, 41pp.
CODEN: JKXXAF
DT Patent
LA Japanese
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	JP 2007227717	A	20070906	JP 2006-48076	20060224
PRAI	JP 2006-48076		20060224		

OS MARPAT 147:332726
IT 948031-98-9
RL: TEM (Technical or engineered material use); USES (Uses)
(host, emitting layers; organic electroluminescent devices having anthracene compound-based host-guest-type emitting layers)
RN 948031-98-9 CAPLUS
CN Pyridine, 4,4'-[(2-[1,1'-biphenyl]-2-yl-9,10-anthracenediyl)di-4,1-phenylene]bis[2,6-diphenyl- (CA INDEX NAME)

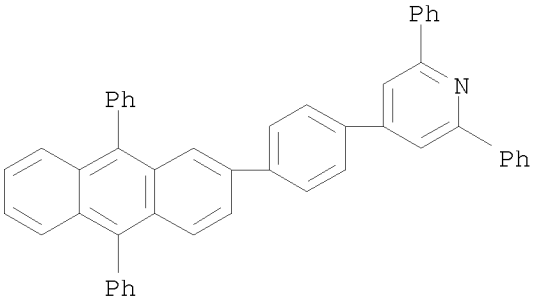


L9 ANSWER 3 OF 23 CAPLUS COPYRIGHT 2008 ACS on STN
AN 2006:632785 CAPLUS
DN 145:103730
TI Preparation of heterocyclic ring-containing anthracene derivatives for use in organic electroluminescent element
IN Kawamura, Masahiro; Hosokawa, Chishio
PA Idemitsu Kosan Co., Ltd., Japan
SO PCT Int. Appl., 73 pp.
CODEN: PIXXD2
DT Patent
LA Japanese
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2006067931	A1	20060629	WO 2005-JP21664	20051125
	W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, KE, KG, KM, KN, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, LY, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW				
	RW: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, LV, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG, BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
	JP 2006176448	A	20060706	JP 2004-371919	20041222
	CN 101087759	A	20071212	CN 2005-80044211	20051125
	KR 2007088728	A	20070829	KR 2007-714150	20070621
	US 20080111473	A1	20080515	US 2007-722609	20070622
PRAI	JP 2004-371919	A	20041222		
	WO 2005-JP21664	W	20051125		

OS MARPAT 145:103730
IT 895150-93-3P
RL: DEV (Device component use); SPN (Synthetic preparation); TEM

(Technical or engineered material use); PREP (Preparation); USES (Uses)
(preparation of heterocyclic ring-containing anthracene derivs. for use in organic
electroluminescent element)
RN 895150-93-3 CAPLUS
CN Pyridine, 4-[4-(9,10-diphenyl-2-anthracenyl)phenyl]-2,6-diphenyl- (CA INDEX NAME)



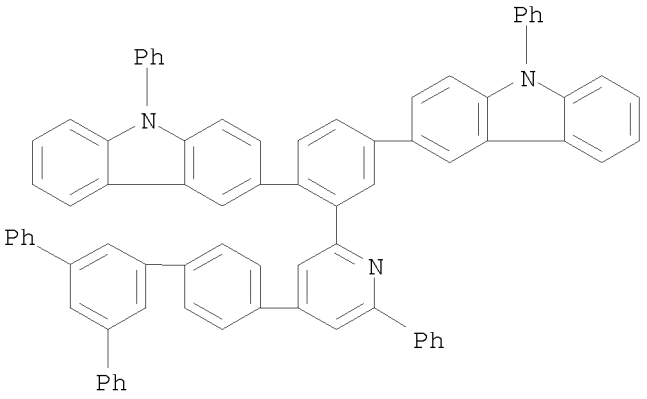
RE.CNT 15 THERE ARE 15 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L9 ANSWER 4 OF 23 CAPLUS COPYRIGHT 2008 ACS on STN
AN 2006:632732 CAPLUS
DN 145:103546
TI Preparation of biscarbazole derivatives as charge-transporting materials, and organic electroluminescent elements
IN Yabe, Masayoshi; Sato, Hideki
PA Pioneer Corporation, Japan; Mitsubishi Chemical Corporation
SO PCT Int. Appl., 137 pp.
CODEN: PIXXD2
DT Patent
LA Japanese
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2006067976	A1	20060629	WO 2005-JP22635	20051209
	W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, KE, KG, KM, KN, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, LY, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW				
	RW: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, LV, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG, BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
	JP 2006199679	A	20060803	JP 2005-355790	20051209
	EP 1829871	A1	20070905	EP 2005-814748	20051209
	R: DE				
	CN 101087776	A	20071212	CN 2005-80044718	20051209
	KR 2007090952	A	20070906	KR 2007-714364	20070622
	US 20080145699	A1	20080619	US 2007-722760	20070625
PRAI	JP 2004-373981	A	20041224		
	WO 2005-JP22635	W	20051209		

OS CASREACT 145:103546; MARPAT 145:103546

IT 895147-64-5P
RL: DEV (Device component use); SPN (Synthetic preparation); TEM (Technical or engineered material use); PREP (Preparation); USES (Uses)
(preparation of biscarbazole derivs. as charge-transporting materials, and organic electroluminescent elements)
RN 895147-64-5 CAPLUS
CN 9H-Carbazole, 3,3'-[2-(6-phenyl-4-(5'-phenyl[1,1':3',1''-terphenyl]-4-yl)-2-pyridinyl)-1,4-phenylene]bis[9-phenyl- (9CI) (CA INDEX NAME)



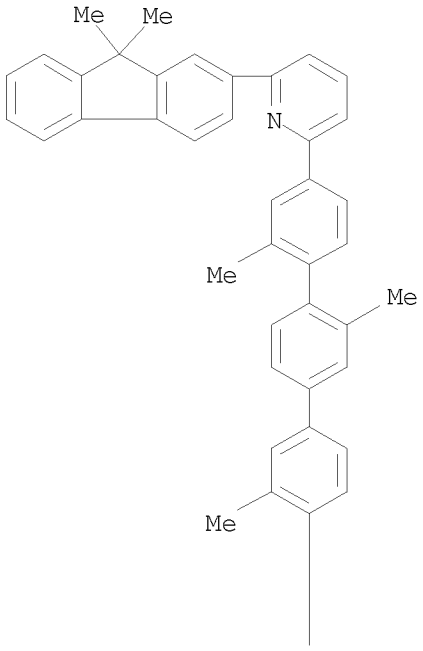
RE.CNT 16 THERE ARE 16 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L9 ANSWER 5 OF 23 CAPLUS COPYRIGHT 2008 ACS on STN
AN 2006:318346 CAPLUS
DN 144:378693
TI Compounds with phenylene and fluorene moieties and organic electroluminescent devices using same
IN Hashimoto, Masashi; Okada, Shinjiro; Takiguchi, Takao; Kamatani, Jun; Igawa, Satoshi; Kurokawa, Minako; Iwawaki, Hironobu; Ooishi, Ryota
PA Canon Kabushiki Kaisha, Japan
SO PCT Int. Appl., 131 pp.
CODEN: PIXXD2
DT Patent
LA English
FAN.CNT 1

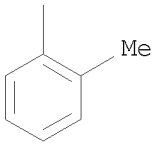
PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI WO 2006035997	A1	20060406	WO 2005-JP18393	20050928
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, KE, KG, KM, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, LY, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW				
RW: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, LV, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG, BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
JP 2006124373	A	20060518	JP 2005-234360	20050812
CN 1926082	A	20070307	CN 2005-80006133	20050928
US 20070122652	A1	20070531	US 2006-583770	20060621
PRAI JP 2004-283238	A	20040929		

JP 2005-234360 A 20050812
WO 2005-JP18393 W 20050928
OS MARPAT 144:378693
IT 1056167-04-4 1056167-07-7 1056167-28-2
1056167-31-7
RL: PRPH (Prophetic)
(Compounds with phenylene and fluorene moieties and organic electroluminescent devices using same)
RN 1056167-04-4 CAPLUS
CN INDEX NAME NOT YET ASSIGNED

PAGE 1-A

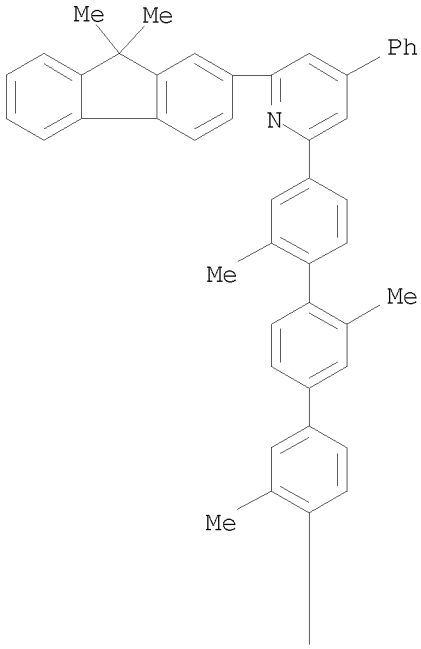


PAGE 2-A

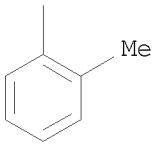


RN 1056167-07-7 CAPLUS
CN INDEX NAME NOT YET ASSIGNED

PAGE 1-A

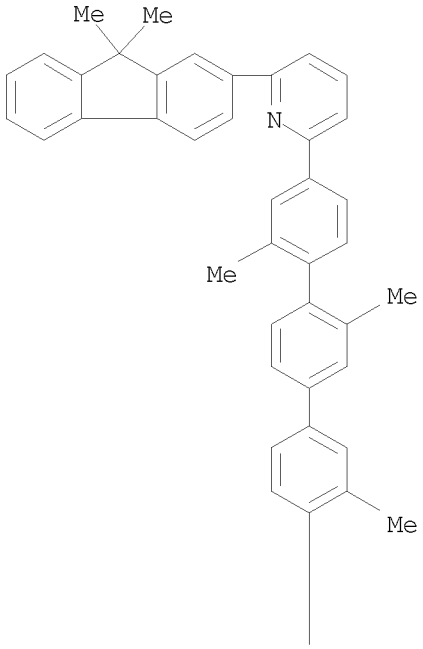


PAGE 2-A



RN 1056167-28-2 CAPLUS
CN INDEX NAME NOT YET ASSIGNED

PAGE 1-A



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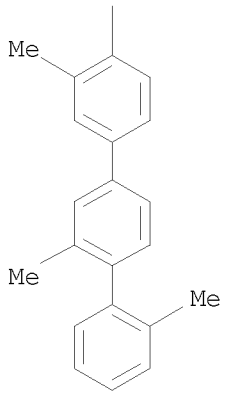
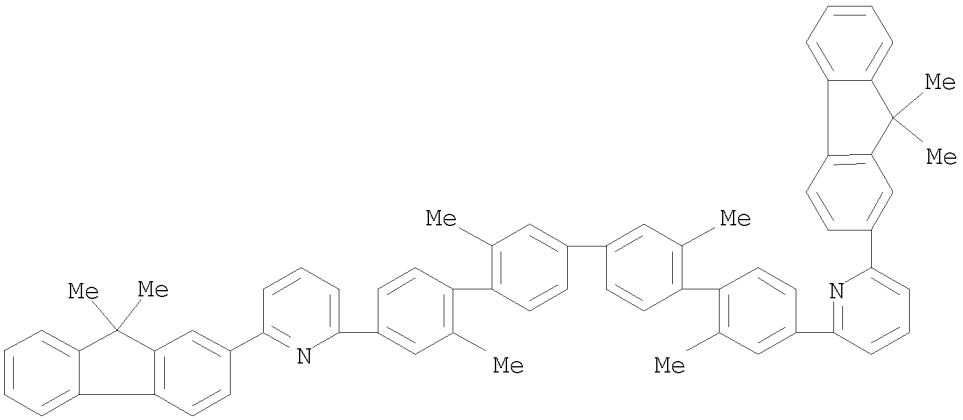


RN 1056167-31-7 CAPLUS
CN INDEX NAME NOT YET ASSIGNED



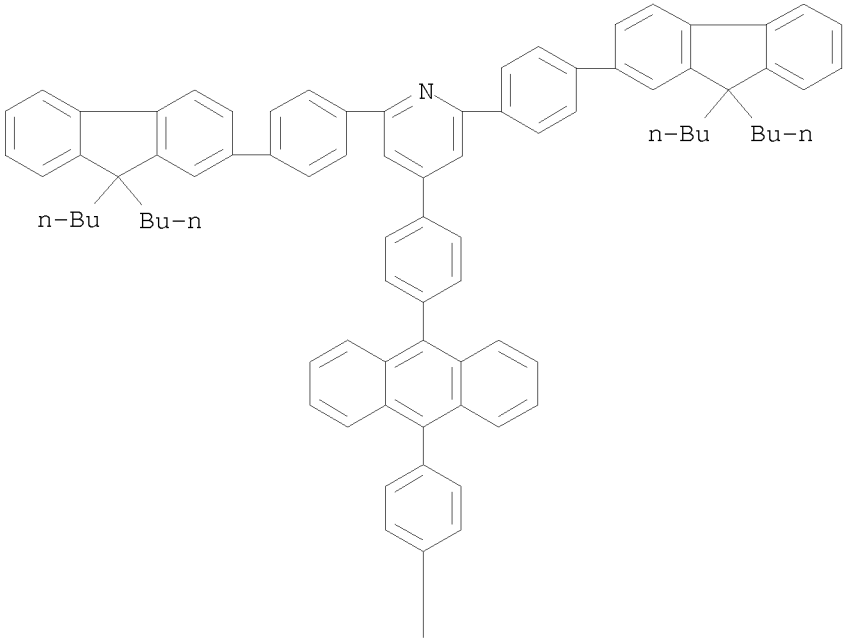
RE.CNT 43 THERE ARE 43 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L9 ANSWER 6 OF 23 CAPLUS COPYRIGHT 2008 ACS on STN
AN 2006:304052 CAPLUS
DN 145:9179
TI Preparation of oligomer electroluminescent material with fluorene or anthracene as major structural members
IN Wang, Wei; Jiang, Hongji; Feng, Jiachun; Wei, Wei
PA Fudan University, Peop. Rep. China
SO Faming Zhuanli Shenqing Gongkai Shuomingshu, 14 pp.
CODEN: CNXXEV
DT Patent
LA Chinese
FAN.CNT 1

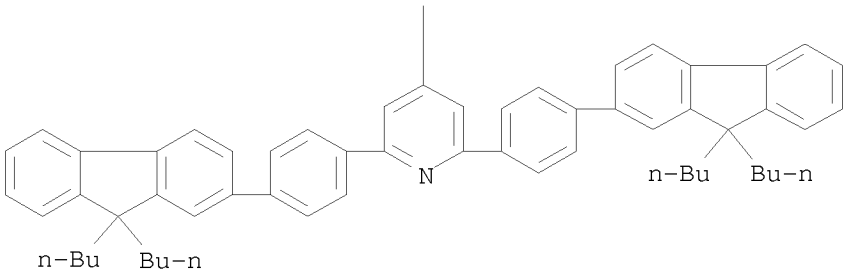
	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	CN 1737080	A	20060222	CN 2005-10029515	20050908
PRAI	CN 2005-10029515		20050908		

IT 888040-31-1P 888040-33-3P
RL: SPN (Synthetic preparation); PREP (Preparation)
(preparation of oligomer electroluminescent material with fluorene or anthracene as major structural members)
RN 888040-31-1 CAPLUS
CN Pyridine, 4,4'-(9,10-anthracenediyldi-4,1-phenylene)bis[2,6-bis[4-(9,9-dibutyl-9H-fluoren-2-yl)phenyl]- (9CI) (CA INDEX NAME)

PAGE 1-A

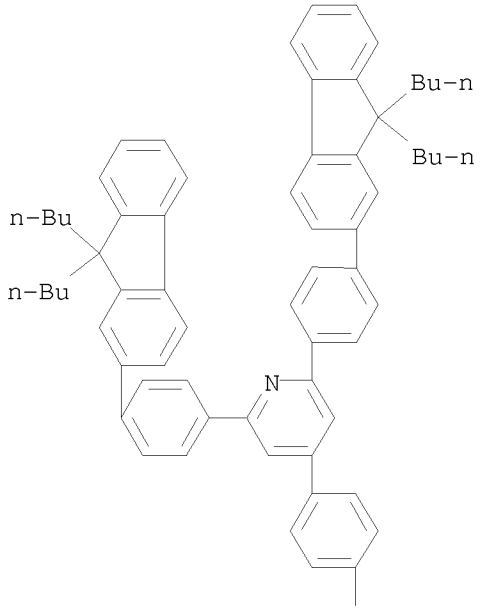


PAGE 2-A



RN 888040-33-3 CAPLUS
CN Pyridine, 4,4'-[9,10-anthracenediylbis[(9,9-dibutyl-9H-fluorene-7,2-diyl)-4,1-phenylene]]bis[2,6-bis[4-(9,9-dibutyl-9H-fluoren-2-yl)phenyl]- (9CI) (CA INDEX NAME)

PAGE 1-A



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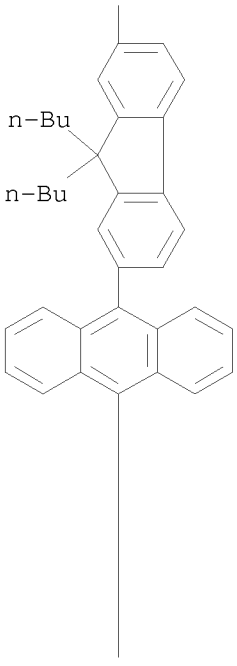
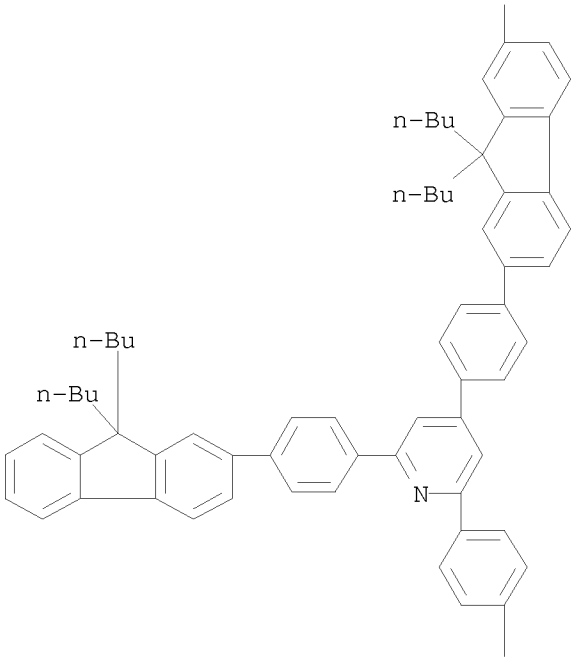
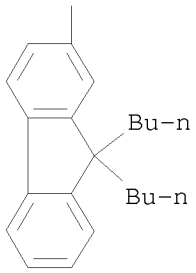


PAGE 3-A



PAGE 4-A



L9 ANSWER 7 OF 23 CAPLUS COPYRIGHT 2008 ACS on STN
AN 2005:239095 CAPLUS
DN 142:306183
TI Electroluminescent device
IN Schaefer, Thomas; Bardon, Kristina; Rogers, Jonathan; Craig, Michael Robert
PA Ciba Specialty Chemicals Holding Inc., Switz.
SO PCT Int. Appl., 55 pp.
CODEN: PIXXD2
DT Patent
LA English
FAN.CNT 1

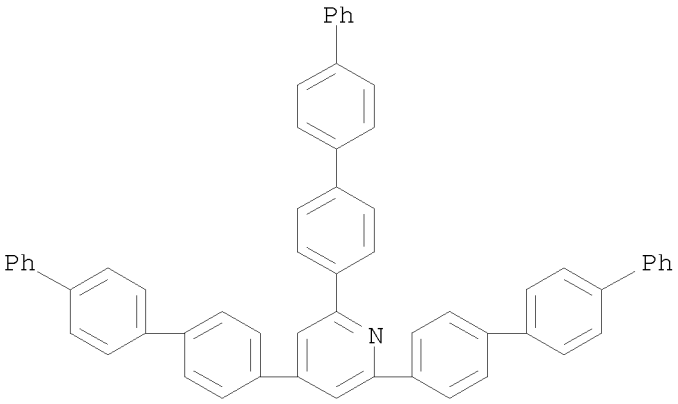
PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI WO 2005023960	A1	20050317	WO 2004-EP51930	20040827

W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC,

LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI,
NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY,
TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW
RW: BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM,
AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK,
EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE,
SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE,
SN, TD, TG

	EP 1660609	A1	20060531	EP 2004-786239	20040827
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, FI, RO, CY, TR, BG, CZ, EE, HU, PL, SK				
	CN 1845980	A	20061011	CN 2004-80025516	20040827
	JP 2007504199	T	20070301	JP 2006-525141	20040827
	US 20060226766	A1	20061012	US 2006-568724	20060217
PRAI	EP 2003-102707	A	20030905		
	WO 2004-EP51930	W	20040827		

OS MARPAT 142:306183
IT 847694-37-5P
RL: DEV (Device component use); SPN (Synthetic preparation); PREP (Preparation); USES (Uses)
(electroluminescent device containing pyridine derivative as light emitting compound)
RN 847694-37-5 CAPLUS
CN Pyridine, 2,4,6-tris([1,1':4',1''-terphenyl]-4-yl)- (9CI) (CA INDEX NAME)

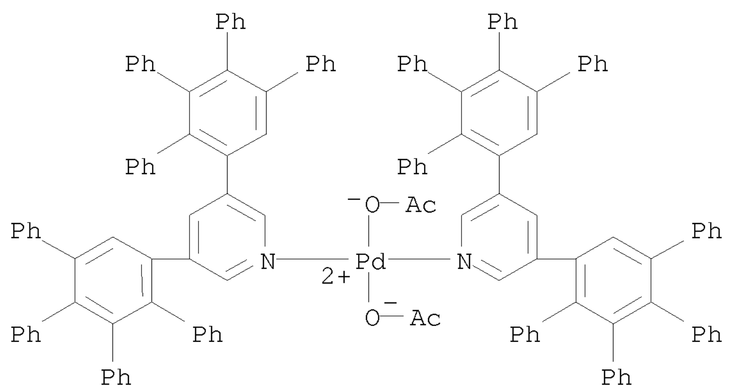


RE.CNT 4 THERE ARE 4 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

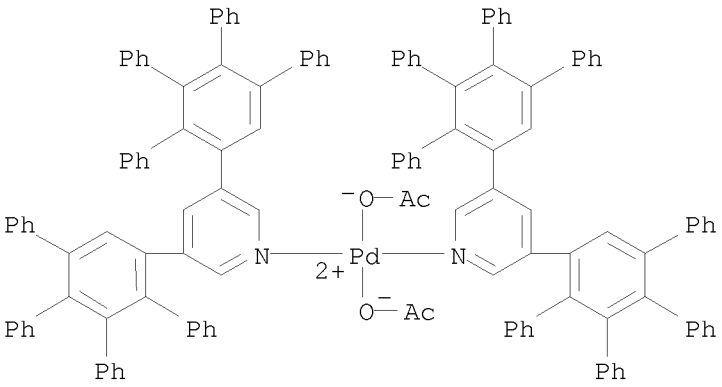
L9 ANSWER 8 OF 23 CAPLUS COPYRIGHT 2008 ACS on STN
AN 2005:235092 CAPLUS
DN 142:316572
TI Pyridine ligands, oxidation catalysts containing them, and preparation of ketones or aldehydes using them
IN Tsuji, Yasuyuki; Tokunaga, Makoto; Ohora, Koji; Iwasawa, Tetsuro
PA Japan Science and Technology Agency, Japan
SO Jpn. Kokai Tokkyo Koho, 13 pp.
CODEN: JKXXAF
DT Patent
LA Japanese
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	JP 2005068078	A	20050317	JP 2003-300263	20030825
PRAI	JP 2003-300263		20030825		

OS   MARPAT 142:316572
IT   717105-93-6
     RL: CAT (Catalyst use); USES (Uses)
        (preparation of pyridine ligands for Pd complex catalysts for oxidation of alcs. into ketones or aldehydes)
RN   717105-93-6 CAPLUS
CN   Palladium, bis(acetato-κO)bis[3,5-bis(5',6'-diphenyl[1,1':2',1''-terphenyl]-3'-yl)pyridine]-, (SP-4-1)- (9CI) (CA INDEX NAME)

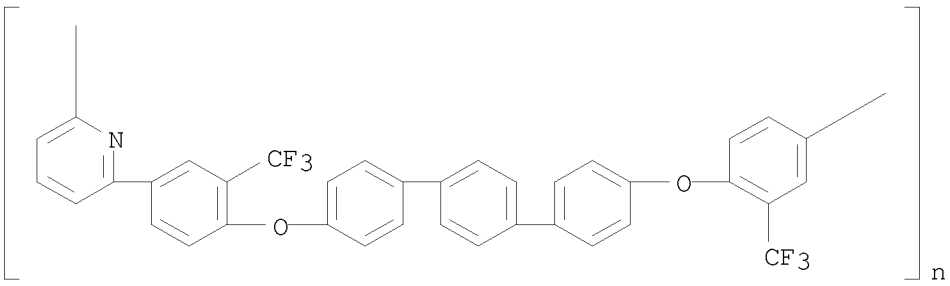


L9   ANSWER 9 OF 23 CAPLUS COPYRIGHT 2008 ACS on STN
AN   2004:369456 CAPLUS
DN   141:88659
TI   Homogeneous Palladium Catalyst Suppressing Pd Black Formation in Air Oxidation of Alcohols
AU   Iwasawa, Tetsuo; Tokunaga, Makoto; Obora, Yasushi; Tsuji, Yasushi
CS   Catalysis Research Center and Division of Chemistry, Graduate School of Science, Hokkaido University, Sapporo, 001-0021, Japan
SO   Journal of the American Chemical Society (2004), 126(21), 6554-6555
     CODEN: JACSAT; ISSN: 0002-7863
PB   American Chemical Society
DT   Journal
LA   English
OS   CASREACT 141:88659
IT   717105-93-6P
     RL: CAT (Catalyst use); SPN (Synthetic preparation); PREP (Preparation); USES (Uses)
        (use of a homogeneous palladium catalyst that suppresses Pd black formation in air oxidation of alcs.)
RN   717105-93-6 CAPLUS
CN   Palladium, bis(acetato-κO)bis[3,5-bis(5',6'-diphenyl[1,1':2',1''-terphenyl]-3'-yl)pyridine]-, (SP-4-1)- (9CI) (CA INDEX NAME)



RE.CNT 30 THERE ARE 30 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L9 ANSWER 10 OF 23 CAPLUS COPYRIGHT 2008 ACS on STN
AN 2002:5413 CAPLUS
DN 136:247990
TI Synthesis and characterization of poly(arylene ether)s derived from 4,4'-bishydroxybiphenyl and 4,4''-bishydroxyterphenyl
AU Salunke, Arun Kashinath; Madhra, Mukesh Kumar; Sharma, Mamta; Banerjee, Susanta
CS Synthetic Chemistry (Polymer Group), Defence Research and Development Establishment, Gwalior, 474002, India
SO Journal of Polymer Science, Part A: Polymer Chemistry (2001), Volume Date 2002, 40(1), 55-69
CODEN: JPACEC; ISSN: 0887-624X
PB John Wiley & Sons, Inc.
DT Journal
LA English
IT 404017-97-6P
RL: PRP (Properties); SPN (Synthetic preparation); PREP (Preparation)
(synthesis and characterization of poly(arylene ether)s)
RN 404017-97-6 CAPLUS
CN Poly[2,6-pyridinediyl[3-(trifluoromethyl)-1,4-phenylene]oxy[1,1':4',1''-terphenyl]-4,4''-diyloxy[2-(trifluoromethyl)-1,4-phenylene]] (9CI) (CA INDEX NAME)



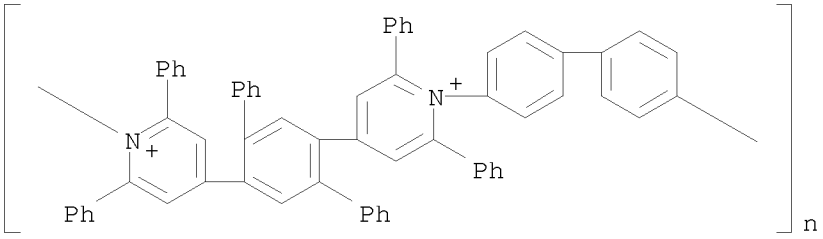
RE.CNT 19 THERE ARE 19 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L9 ANSWER 11 OF 23 CAPLUS COPYRIGHT 2008 ACS on STN
AN 2000:208034 CAPLUS
DN 132:334934
TI Synthesis of poly(pyridinium salts) from novel bis(pyrylium triflates)

AU Wayton, Gerald B.; Harris, Frank W.
CS Maurice Morton Institute and Department of Polymer Science, University of Akron, Akron, OH, 44325, USA
SO Polymer Preprints (American Chemical Society, Division of Polymer Chemistry) (2000), 41(1), 54-55
CODEN: ACPPAY; ISSN: 0032-3934
PB American Chemical Society, Division of Polymer Chemistry
DT Journal
LA English
IT 267412-28-2P
RL: PEP (Physical, engineering or chemical process); PRP (Properties); SPN (Synthetic preparation); PREP (Preparation); PROC (Process)
(synthesis and degradation of poly(pyridinium salts) from bis(pyrylium triflates))
RN 267412-28-2 CAPLUS
CN Poly[(2,6-diphenylpyridinium-1,4-diyl)[1,1':4',1''-terphenyl]-2',5'-diyl(2,6-diphenylpyridinium-4,1-diyl)[1,1'-biphenyl]-4,4'-diyl salt with trifluoromethanesulfonic acid (1:2)] (9CI) (CA INDEX NAME)

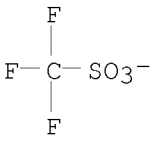
CM 1

CRN 267412-27-1
CMF (C64 H44 N2)n
CCI PMS



CM 2

CRN 37181-39-8
CMF C F3 O3 S



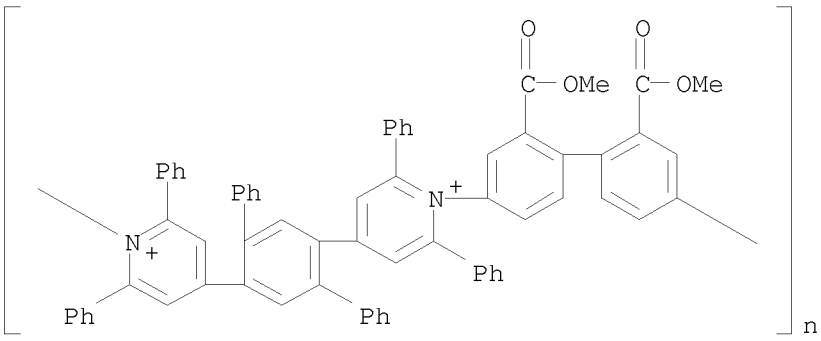
RE.CNT 17 THERE ARE 17 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L9 ANSWER 12 OF 23 CAPLUS COPYRIGHT 2008 ACS on STN
AN 1999:559111 CAPLUS
DN 132:180897
TI Poly(pyridinium salts): synthesis and polymerization of new bis(pyrylium triflates)
AU Wayton, Gerald B.; Lin, Feiyue; Harris, Frank W.
CS Department of Polymer Science, University of Akron, Akron, OH, 44325, USA
SO Polymer Preprints (American Chemical Society, Division of Polymer

Chemistry) (1999), 40(2), 876-877
CODEN: ACPPAY; ISSN: 0032-3934
PB American Chemical Society, Division of Polymer Chemistry
DT Journal
LA English
IT 259266-09-6P
RL: SPN (Synthetic preparation); PREP (Preparation)
(preparation and characterization of)
RN 259266-09-6 CAPLUS
CN Poly[(2,6-diphenylpyridinium-1,4-diyl)[1,1':4',1''-terphenyl]-2',5'-diyl(2,6-diphenylpyridinium-4,1-diyl)[2,2'-bis(methoxycarbonyl)[1,1'-biphenyl]-4,4'-diyl] salt with trifluoromethanesulfonic acid (1:2)] (9CI) (CA INDEX NAME)

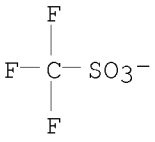
CM 1

CRN 259266-08-5
CMF (C68 H48 N2 O4)n
CCI PMS



CM 2

CRN 37181-39-8
CMF C F3 O3 S



RE.CNT 22 THERE ARE 22 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L9 ANSWER 13 OF 23 CAPLUS COPYRIGHT 2008 ACS on STN
AN 1998:397810 CAPLUS
DN 129:68171
OREF 129:14155a,14158a
TI Manufacture of polypyridinium salts useful as electric conductors
IN Harris, Frank; Chuang, Chun Hua K.
PA University of Akron, USA
SO U.S., 15 pp., Cont.-in-part of U. S. Ser. No. 967,246, abandoned.
CODEN: USXXAM

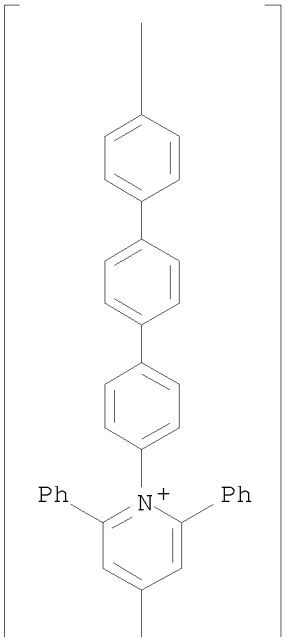
DT Patent
LA English
FAN.CNT 1

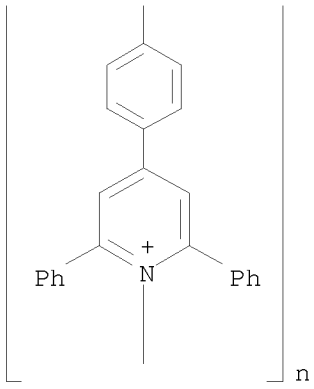
	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	US 5763563	A	19980609	US 1994-296807	19940819
	US 5863651	A	19990126	US 1998-90012	19980603
PRAI	US 1989-402126	B2	19890901		
	US 1991-703159	B2	19910520		
	US 1992-967246	B2	19921027		
	US 1994-296807	A1	19940819		

IT 122538-91-4P
RL: IMF (Industrial manufacture); PREP (Preparation)
(manufacture of polypyridinium salts useful as elec. conductors)
RN 122538-91-4 CAPLUS
CN Poly[(2,6-diphenylpyridinium-1,4-diyl)-1,4-phenylene(2,6-diphenylpyridinium-4,1-diyl)[1,1':4',1''-terphenyl]-4,4''-diyl bis[tetrafluoroborate(1-)]] (9CI) (CA INDEX NAME)

CM 1

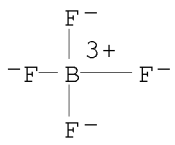
CRN 122538-90-3
CMF (C58 H40 N2)n
CCI PMS





CM 2

CRN 14874-70-5
CMF B F4
CCI CCS



RE.CNT 2 THERE ARE 2 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L9 ANSWER 14 OF 23 CAPLUS COPYRIGHT 2008 ACS on STN
AN 1996:265062 CAPLUS
DN 124:290635
OREF 124:53913a,53916a
TI Polypyridinium salts
IN Harris, Frank W.; Chuang, Chun Hua K.
PA University of Akron, USA
SO Can. Pat. Appl., 48 pp.
CODEN: CPXXEB
DT Patent
LA English
FAN.CNT 1

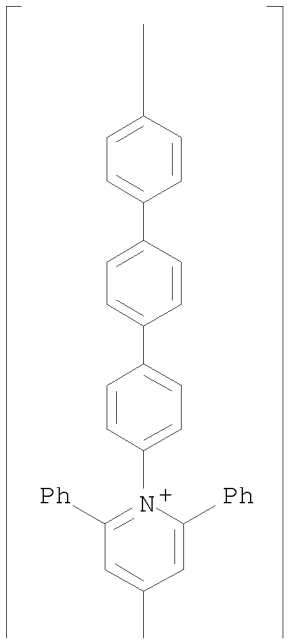
	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	CA 2124647	A1	19951201	CA 1994-2124647	19940530
	CA 2124647	C	20070501		
PRAI	CA 1994-2124647		19940530		

IT 122538-91-4P
RL: IMF (Industrial manufacture); PREP (Preparation)
(polypyridinium salts for elec. conductors)
RN 122538-91-4 CAPLUS
CN Poly[(2,6-diphenylpyridinium-1,4-diyl)-1,4-phenylene(2,6-diphenylpyridinium-4,1-diyl)[1,1':4',1''-terphenyl]-4,4''-diyl bis[tetrafluoroborate(1-)]] (9CI) (CA INDEX NAME)

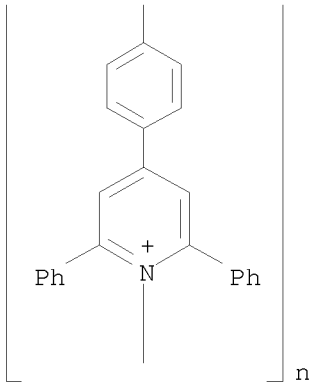
CM 1

CRN 122538-90-3
CMF (C58 H40 N2)n
CCI PMS

PAGE 1-A

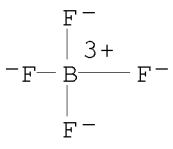


PAGE 2-A



CM 2

CRN 14874-70-5
CMF B F4
CCI CCS

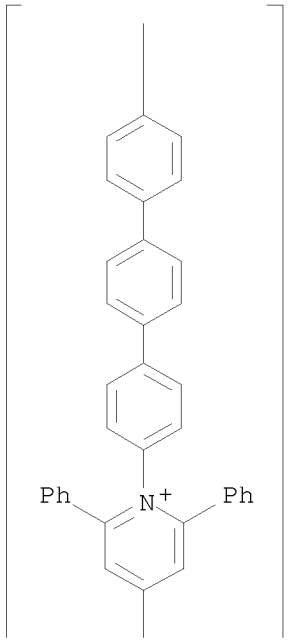


L9 ANSWER 15 OF 23 CAPLUS COPYRIGHT 2008 ACS on STN
AN 1995:225221 CAPLUS
DN 122:10863
OREF 122:2391a,2394a
TI Aromatic poly(pyridinium salt)s: synthesis and structure of organo-soluble, rigid-rod poly(pyridinium tetrafluoroborate)s
AU Harris, Frank W.; Chuang, Kethy C.; Huang, Shel Ann X.; Janimak, James J.; Cheng, Stephen Z. D.
CS Department Polymer Science, University Akron, Akron, OH, 44325-3909, USA
SO Polymer (1994), 35(23), 4940-8
CODEN: POLMAG; ISSN: 0032-3861
PB Elsevier
DT Journal
LA English
IT 122538-91-4P
RL: SPN (Synthetic preparation); PREP (Preparation)
(preparation and characterization of organo-soluble rigid-rod poly(pyridinium tetrafluoroborates))
RN 122538-91-4 CAPLUS
CN Poly[(2,6-diphenylpyridinium-1,4-diyl)-1,4-phenylene(2,6-diphenylpyridinium-4,1-diyl)[1,1':4',1''-terphenyl]-4,4''-diyl bis[tetrafluoroborate(1-)]] (9CI) (CA INDEX NAME)

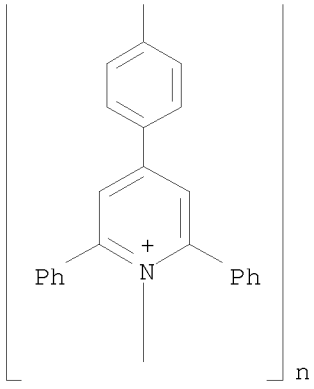
CM 1

CRN 122538-90-3
CMF (C58 H40 N2)n
CCI PMS

PAGE 1-A

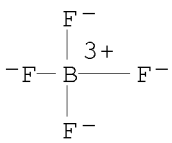


PAGE 2-A

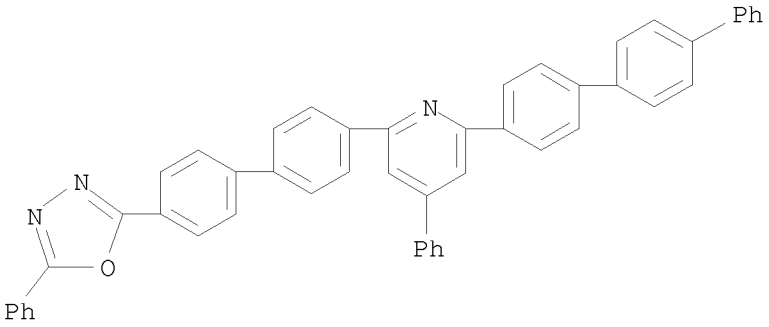


CM 2

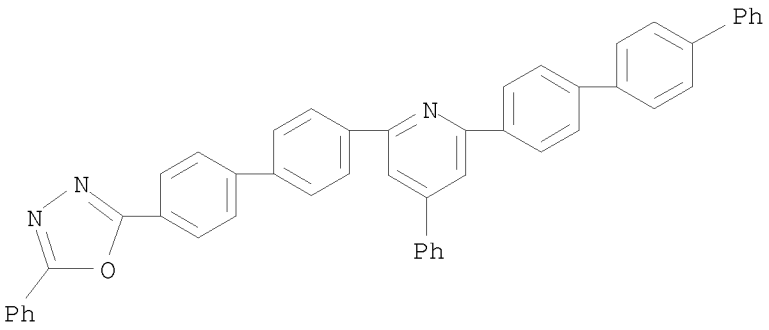
CRN 14874-70-5
CMF B F4
CCI CCS



L9 ANSWER 16 OF 23 CAPLUS COPYRIGHT 2008 ACS on STN
AN 1992:194228 CAPLUS
DN 116:194228
OREF 116:32913a,32916a
TI The synthetic use of 2-(4'-acetylbiphenyl-4-yl)-5-phenyl-1,3,4-oxadiazole for preparation of new heterocyclic luminophores
AU Lhotak, Pavel; Kurfurst, Antonin; Nadenik, Petr
CS Dep. Org. Chem., Prague Inst. Chem. Technol., Prague, 166 28, Czech.
SO Collection of Czechoslovak Chemical Communications (1992), 57(2), 385-92
CODEN: CCCCAK; ISSN: 0010-0765
DT Journal
LA English
OS CASREACT 116:194228
IT 127930-69-2P
RL: PRP (Properties); SPN (Synthetic preparation); PREP (Preparation)
(preparation and fluorescence of)
RN 127930-69-2 CAPLUS
CN Pyridine, 4-phenyl-2-[4'-(5-phenyl-1,3,4-oxadiazol-2-yl)[1,1'-biphenyl]-4-yl]-6-[1,1':4',1''-terphenyl]-4-yl- (9CI) (CA INDEX NAME)



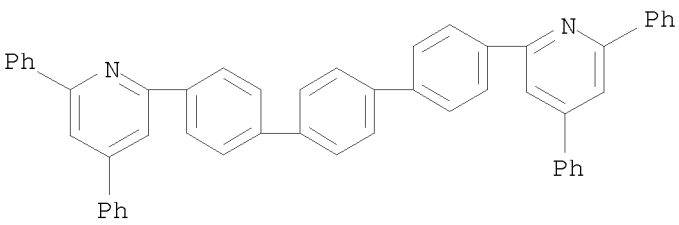
L9 ANSWER 17 OF 23 CAPLUS COPYRIGHT 2008 ACS on STN
AN 1990:552328 CAPLUS
DN 113:152328
OREF 113:25895a,25898a
TI New heterocyclic luminophores based on 2-(biphenyl-4-yl)-5-phenyl-1,3,4-oxadiazole
AU Lhotak, P.; Kurfurst, A.; Kuthan, J.
CS Dep. Org. Chem., Inst. Chem. Technol., Prague, Czech.
SO Studies in Organic Chemistry (Amsterdam) (1988), 35(Chem. Heterocycl. Compd.), 388-90
CODEN: SOCHDQ; ISSN: 0165-3253
DT Journal
LA English
IT 127930-69-2P
RL: SPN (Synthetic preparation); PREP (Preparation)
(preparation of)
RN 127930-69-2 CAPLUS
CN Pyridine, 4-phenyl-2-[4'-(5-phenyl-1,3,4-oxadiazol-2-yl)[1,1'-biphenyl]-4-yl]-6-[1,1':4',1''-terphenyl]-4-yl- (9CI) (CA INDEX NAME)



L9 ANSWER 18 OF 23 CAPLUS COPYRIGHT 2008 ACS on STN
AN 1990:431709 CAPLUS
DN 113:31709
OREF 113:5299a,5302a
TI Luminophors based on bis(4,6-diarylpyridin-2-yl)-arenes and their preparation
IN Kurfuerst, Antonin; Lhotak, Pavel; Kuthan, Josef
PA Czech.
SO Czech., 4 pp.
CODEN: CZXXA9
DT Patent
LA Czech
FAN.CNT 1

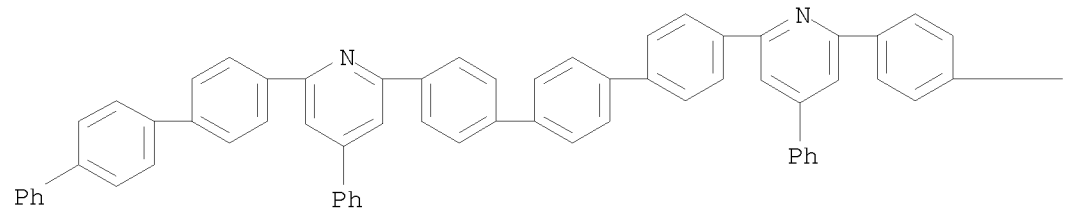
PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI CS 262585	B1	19890314	CS 1987-9348	19871217
PRAI CS 1987-9348		19871217		

OS MARPAT 113:31709
IT 123825-62-7P 127930-65-8P
RL: PREP (Preparation)
(preparation of, for luminophors)
RN 123825-62-7 CAPLUS
CN Pyridine, 2,2'-[1,1':4',1''-terphenyl]-4,4''-diylbis[4,6-diphenyl- (9CI) (CA INDEX NAME)

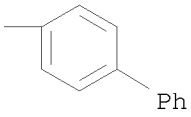


RN 127930-65-8 CAPLUS
CN Pyridine, 2,2'-[1,1':4',1''-terphenyl]-4,4''-diylbis[4-phenyl-6-[1,1':4',1''-terphenyl]-4-yl- (9CI) (CA INDEX NAME)

PAGE 1-A



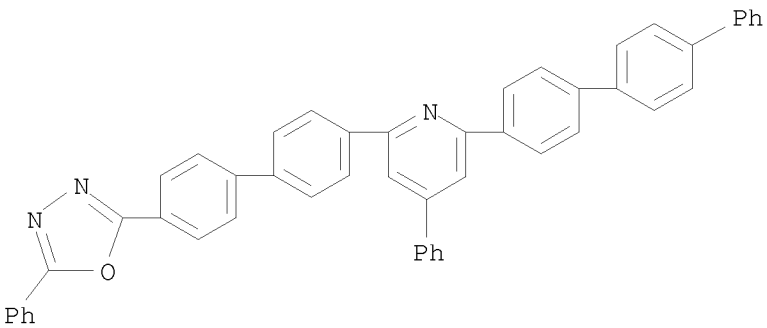
PAGE 1-B



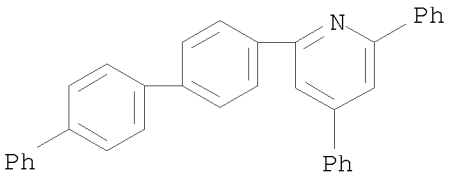
L9 ANSWER 19 OF 23 CAPLUS COPYRIGHT 2008 ACS on STN
AN 1990:431708 CAPLUS
DN 113:31708
OREF 113:5299a,5302a
TI Luminophors containing 2-biphenyl-4-yl- and 5-phenyl-1,3,4-oxadiazole derivatives of 2,4,6-triarylpyridines and their preparation
IN Kurfuerst, Antonin; Lhotak, Pavel; Kuthan, Josef
PA Czech.
SO Czech., 4 pp.
CODEN: CZXXA9
DT Patent
LA Czech
FAN.CNT 1

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
CS 262586	B1	19890314	CS 1987-9349	19871217

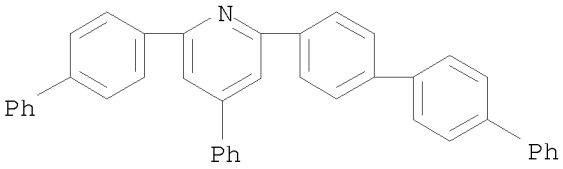
PRAI CS 1987-9349 19871217
OS MARPAT 113:31708
IT 127930-69-2
RL: PRP (Properties)
(luminophor containing)
RN 127930-69-2 CAPLUS
CN Pyridine, 4-phenyl-2-[4'-(5-phenyl-1,3,4-oxadiazol-2-yl)[1,1'-biphenyl]-4-yl]-6-[1,1':4',1''-terphenyl]-4-yl- (9CI) (CA INDEX NAME)



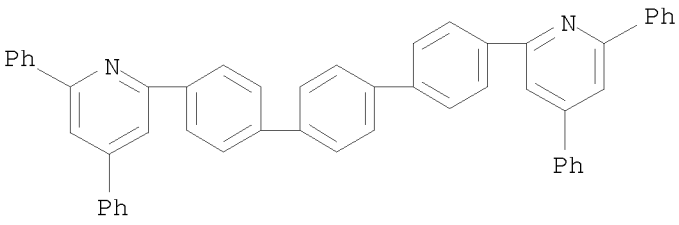
L9 ANSWER 20 OF 23 CAPLUS COPYRIGHT 2008 ACS on STN
AN 1989:632515 CAPLUS
DN 111:232515
OREF 111:38617a,38620a
TI Oligophenylene 2,4,6-triarylpyridines and analogous diaza-p-terphenyls, diaza-p-quaterphenyls and diaza-p-quinquephenyls with luminiscent activity
AU Kurfurst, Antonin; Lhotak, Pavel; Petru, Miroslav; Kuthan, Josef
CS Dep. Org. Chem., Prague Inst. Chem. Technol., Prague, 166 28, Czech.
SO Collection of Czechoslovak Chemical Communications (1989), 54(2), 462-72
CODEN: CCCCAK; ISSN: 0010-0765
DT Journal
LA English
OS CASREACT 111:232515
IT 104584-72-7P 122504-26-1P 123825-62-7P
RL: SPN (Synthetic preparation); PREP (Preparation)
(preparation and luminescence characteristics of)
RN 104584-72-7 CAPLUS
CN Pyridine, 2,4-diphenyl-6-[1,1':4',1''-terphenyl]-4-yl- (9CI) (CA INDEX NAME)



RN 122504-26-1 CAPLUS
CN Pyridine, 2-[1,1'-biphenyl]-4-yl-4-phenyl-6-[1,1':4',1''-terphenyl]-4-yl- (9CI) (CA INDEX NAME)

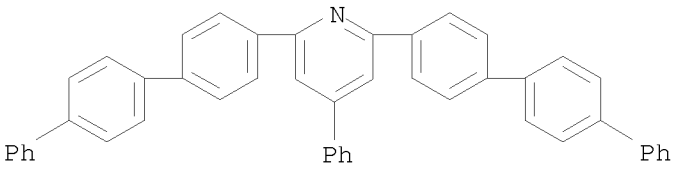


RN 123825-62-7 CAPLUS
CN Pyridine, 2,2'-[1,1':4',1''-terphenyl]-4,4''-diylbis[4,6-diphenyl- (9CI) (CA INDEX NAME)

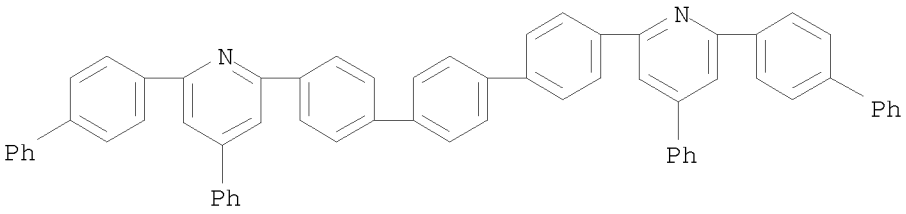


IT 122504-27-2P 123825-63-8P
RL: SPN (Synthetic preparation); PREP (Preparation)
(preparation of)

RN 122504-27-2 CAPLUS
CN Pyridine, 4-phenyl-2,6-bis([1,1':4',1''-terphenyl]-4-yl)- (9CI) (CA INDEX NAME)



RN 123825-63-8 CAPLUS
CN Pyridine, 2,2'-[1,1':4',1''-terphenyl]-4,4''-diylbis[6-[1,1'-biphenyl]-4-yl-4-phenyl- (9CI) (CA INDEX NAME)



L9 ANSWER 21 OF 23 CAPLUS COPYRIGHT 2008 ACS on STN
AN 1989:554457 CAPLUS
DN 111:154457
OREF 111:25781a,25784a
TI Ring-transmutation polymerization: synthesis and characterization of aromatic polypyridinium salts
AU Harris, Frank W.; Chuang, Chun Hua K.
CS Dep. Polym. Sci., Univ. Akron, Akron, OH, 44325, USA
SO Polymer Preprints (American Chemical Society, Division of Polymer Chemistry) (1989), 30(1), 433-4
CODEN: ACPPAY; ISSN: 0032-3934
DT Journal
LA English
IT 122538-91-4P
RL: SPN (Synthetic preparation); PREP (Preparation)
(preparation and viscosity and thermal properties of)
RN 122538-91-4 CAPLUS
CN Poly[(2,6-diphenylpyridinium-1,4-diyl)-1,4-phenylene(2,6-diphenylpyridinium-4,1-diyl)[1,1':4',1''-terphenyl]-4,4''-diyl bis[tetrafluoroborate(1-)]] (9CI) (CA INDEX NAME)

CM 1

CRN 122538-90-3
CMF (C58 H40 N2)n
CCI PMS

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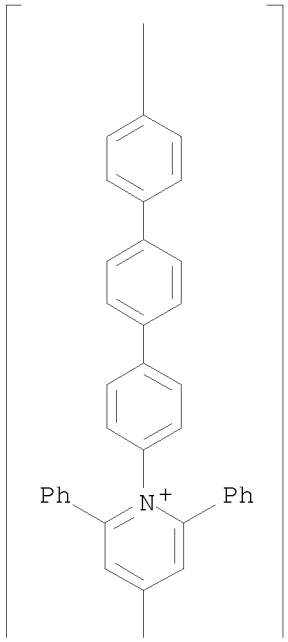
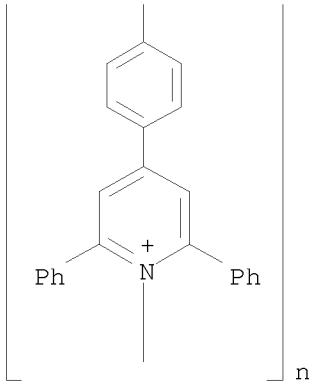
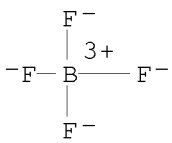


PAGE 2-A



CM 2

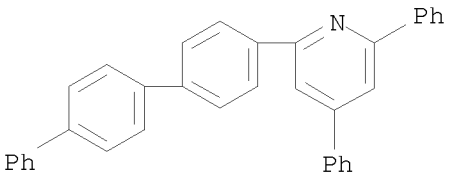
CRN 14874-70-5
CMF B F4
CCI CCS



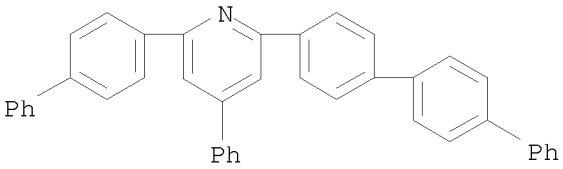
L9 ANSWER 22 OF 23 CAPLUS COPYRIGHT 2008 ACS on STN
AN 1989:515053 CAPLUS
DN 111:115053
OREF 111:19291a,19294a
TI Preparation of 2-(p-terphenyl-4-yl)-4,6-diarylpyridines as scintillators
IN Kurfuerst, Antonin; Lhotak, Pavel; Kuthan, Josef; Richter, Otakar
PA Czech.
SO Czech., 4 pp.
CODEN: CZXXA9
DT Patent
LA Czech
FAN.CNT 1

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI CS 256977	B1	19880415	CS 1985-9523	19851219
PRAI CS 1985-9523		19851219		

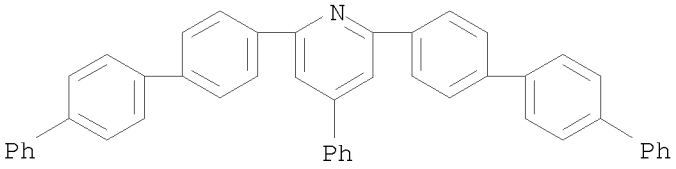
OS MARPAT 111:115053
IT 104584-72-7P 122504-26-1P 122504-27-2P
RL: SPN (Synthetic preparation); PREP (Preparation)
(preparation of, as scintillator)
RN 104584-72-7 CAPLUS
CN Pyridine, 2,4-diphenyl-6-[1,1':4',1''-terphenyl]-4-yl- (9CI) (CA INDEX NAME)



RN 122504-26-1 CAPLUS
CN Pyridine, 2-[1,1'-biphenyl]-4-yl-4-phenyl-6-[1,1':4',1''-terphenyl]-4-yl- (9CI) (CA INDEX NAME)



RN 122504-27-2 CAPLUS
CN Pyridine, 4-phenyl-2,6-bis([1,1':4',1''-terphenyl]-4-yl)- (9CI) (CA INDEX NAME)



L9 ANSWER 23 OF 23 CAPLUS COPYRIGHT 2008 ACS on STN
AN 1986:560475 CAPLUS
DN 105:160475
OREF 105:25745a
TI New organic components for scintillation technique - substituted pyridine derivatives of oligophenylene type
AU Svobodova, Blanka; Richter, Otakar; Kuthan, Josef; Kurfurst, Antonin
CS Vyzk. Ustav Pristroju Jad. Tech., K.U.O., TESLA, Premysleni, Czech.
SO Jaderna Energie (1986), 32(4), 153-6
CODEN: JADEAQ; ISSN: 0448-116X
DT Journal
LA Czech
IT 104584-72-7
RL: PROC (Process)
(scintillation of)
RN 104584-72-7 CAPLUS
CN Pyridine, 2,4-diphenyl-6-[1,1':4',1''-terphenyl]-4-yl- (9CI) (CA INDEX NAME)